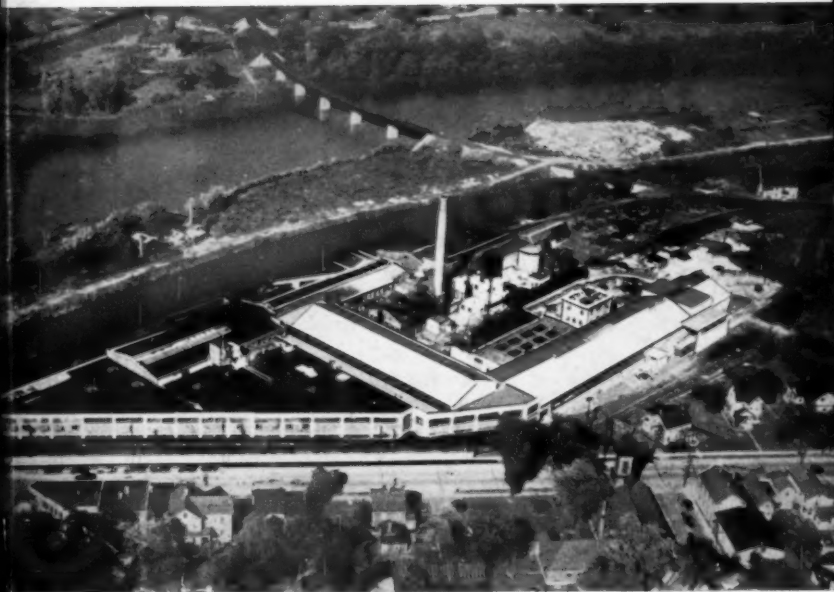
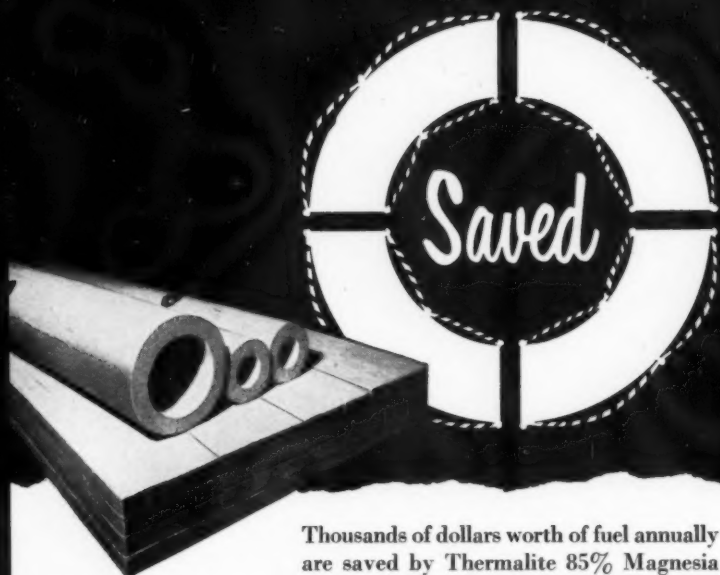


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"ASBESTOS" — August 1952

Page 1

ASBESTOS IN YUGOSLAVIA

Editors Note: Our November 1951 number contained a brief note on "Asbestos in Yugoslavia". Altho Yugoslavia has never been considered of great importance in the asbestos picture, it may be interesting to know a little more about the deposits in that country. This article was written by W. B. Millar, Consulting Geologist, after he visited the Yugoslavian asbestos mines.

The writer had the opportunity of spending most of the month of October, 1951, inspecting the major chrysotile asbestos mines and developing prospects in Yugoslavia. The trip was made at the invitation of the General Director For Non-Metals of the People's Republic of Serbia who, as hosts, did everything possible to make travel as comfortable as conditions permitted, and furthermore made available any data requested. As a result, it is possible to draw some fairly accurate conclusions concerning the asbestos industry in Yugoslavia at its present stage of development, but it should be noted at the outset that very large areas of serpentine rocks remain for prospecting and for critical study of fibre-bearing outcrops already known.

Yugoslavia is somewhat larger than the States of New York and Pennsylvania combined and is divided into six People's Republics with a total population of about 16,000,000. These Republics, extending about 550 miles from the border with Austria on the northwest to the Greek boundary on the southeast, are Slovenia, Croatia, Bosnia-Herzegovina, Serbia, Montenegro, and finally Macedonia. There are differences in language, cultural background, religion, and, indeed, general ability and character among these six groupings of population, and the process of welding them into a whole with really unified national aspirations will take more time to complete.

Yugoslavia has for a long time supplied its natural resources to many nations. Her chief exports today include timber, copper, lead, antimony, quicksilver, bauxite and cement.

The field trip to study the asbestos occurrences

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started from Belgrade, the capital city of Yugoslavia, and progressed to the southeast to a point 83 kilometers beyond Skoplje, the Macedonian capital. The party then returned to Belgrade, the round trip being 1407 kms. A second trip followed a more westerly course into Bosnia-Herzegovina and back to Belgrade by a different route passing thru a corner of Croatia and its beautiful oak forests. This trip was 560 kms in length so that the whole distance covered by car in Yugoslavia was 1967 kms or about 1180 miles.

Korlaca-Belci

This mine was in process of being developed by private German interests when the last war intervened and was subsequently completed and put into operation by the Yugoslavs. The mill is equipped largely with machinery made in Germany and is designed to handle 480 tons of ore in 20 hours. The plant operates at a loss, but it seems quite possible to improve and perhaps remedy this situation.

Before proceeding farther with notes on Korlaca, some comment should be made on a prospecting and ore development technique as followed thruout the asbestos areas. Not a single diamond drill hole has been utilized. Instead, one is confronted with long, full-sized adits and often a series of drifts and crosscuts leading from them. For deposits which are ultimately to be mined open-cut, this is a slow and costly procedure the information from which in most cases being not more useful than properly spaced drill holes which could be drilled at a fraction of the time and cost.

The mine at Korlaca is developed along the side of a hill by a series of benches 8 m. high. The main workings are some 450 m. long with the bottom elevation on the quarry floor at 683 m. above sea level and the top bench at 779 m. There is evidence that the length of the benches can be increased to perhaps 600 m. From the quarry floor the longest adit, at right angles to the bench face, is 281 m. and still in ore, as here considered.

The difficulty faced in mining this section of Korlaca

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mine is that the top benches have reached an overlying limestone formation which in turn is capped by a younger andesite. This barren capping of lime and andesite has a maximum thickness of about 90 meters before the top of the ridge is reached and will have to be removed if the benches are to advance farther into the side of the ridge.

The Korlaca benches give a good picture of the mineralization, to say nothing of the several adits going in at right angles from the benches. The fibre is short, white, semi-brittle chrysotile, not longer than $\frac{1}{4}$ ", and averaging much less. Fibre zones, apparently three in number, run parallel to the benches and are separated by barren serpentine or very lean zones. The better sections of the fibre zones are reported as carrying 2% to 3% fibre and localized areas run still higher. In the writer's opinion, any one fibre zone if milled without sorting would run less than 2%, and hence it is evident that careful mining and sorting will be needed to keep the mill feed as high grade as possible. The quantity of low grade ore capable of being sorted into mill feed was quite large and enough to supply the present mill or one of greater capacity for a long time, providing the development of the ore was undertaken in an orderly way.

The mill at Korlaca would not excite the envy of those conversant with modern plants in Canada and Vermont. The German engineer who designed it is reported to have said that his knowledge of asbestos milling was inadequate and that he simply did the best he could.

A few comments may prove of interest. The primary crusher, called a TITAN, is a heavy, horizontal shafted hammer mill. the tips of the arms swinging on pins and thus being more readily replaceable. In the housing are two shafts each with four arms and swinging tips, and each shaft is rotated at 300 RPM by a 40 kw motor. The discharge is minus 30 millimeters, and the capacity 50 tons per hour.

The secondary crushing, drying and fiberizing are all done in the same operation in two identical mills called the LOESCH mill. These are circular mills with a revolving floor plate. Adjustable for clearance above the floor,

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and hence theoretically for fineness of grind, are two heavy manganese steel wheels fixed by pins to give an up and down motion as they ride over the ore charge being rotated beneath them. This will be recognized as the old "chaser-mill" principle familiar in other grinding machinery. Hot air is sucked thru the Loesch mills to dry the ore being ground, the heat being generated in a coal burning furnace. The discharge from the Loesch is set for minus 2mm but the tailings pile looks and feels like fine sand. Capacity for each mill is 12 tons per hour.

Following the Loesch grind,—and it is surely a grind tending to reduce fibre length quite efficiently—the discharge goes to screening and air suction collection of fibre, then a final screening to clean the first fibre recovered, with the discharge from the cleaning screens going down a pipe directly into bags for shipment. There is no fibre grading or testing equipment in the mill. The product looks like Group 6 for the most part, but with some Group 5 fibres doubtless resulting occasionally.

Belci Prospect

The Belci asbestos occurrence has been developed by means of adits and some rough benching. The fibre here is on the average a little longer and stronger than that at Korlaca but still basically a short fibre prospect and with a low yield. Adit samples ran 1.75% to 2.5% and once again sorting the ore would be necessary to maintain grade of mill feed.

The benched quarry planned when development is completed will be some 350 m long and 200 m wide, altho the final dimensions may be greater as indicated by fibre showing in outcrops or shallow surface workings.

A pilot mill was constructed at Belci and run for a time. It is now partially dismantled. The work done in it was useful and gave the basis for the design of two new 170 ton-per-day mills which are now being erected at asbestos mines to be discussed farther on.

It is difficult to figure the economics of such low grade ore with the fibre neither long enough or strong enough to make the grades most in demand, and yet in

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Yugoslavia there is probably justification for operating such deposits solely for the purpose of supplying local needs for short fibre.

On this basis, it is possible to suggest a much larger, well designed mill so situated as to receive ore from both places, and furthermore to add some mechanization to the mines and develop the best possible system for sorting the ore.

(The second part of this article will appear in our September number.)

"ACCORDING TO PLAN"

How modern industry, thru scientific research, developed a material specifically designed to fill all the requirements of an exterior sidewall covering is the subject of a new motion picture now being widely presented by the Asbestos-Cement Products Association. Entitled "According to Plan", the 16 mm film is in color and sound and is approximately 14 minutes in length.

The real "stars" of the picture are beautiful new homes in many parts of the country. To make these shots, camera crews visited housing developments in the East, South, Middle West and West Coast. They captured on film some outstanding examples of how imaginative planning is bringing new exterior beauty to today's homes.

Early sequences depict the development of asbestos-cement siding shingles in the laboratories of science thru the combination of two incombustible and durable materials, portland cement and fibres of the mineral asbestos. While many multiple-use materials have been employed for exterior sidewalls, the film points out, asbestos siding was produced "according to plan" to serve one specific purpose, with fire-safety, durability, beauty and low maintenance among the objectives.

Prints of the film will be loaned without cost to dealers, builders, applicators, contractors and other interested groups. Inquiries should be directed to the Asbestos-Cement Products Association, 509 Madison Ave., New York 22, N. Y.

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THE ASBESTOS DEPOSITS OF WESTERN AUSTRALIA

Western Australian Government publications since the Second World War have stated that reserves of blue fibre asbestos in the State might be assessed as able to withstand any calls made on them for at least a century. The following article, (taken from *The Mining Journal*, June 13, 1952 issue) gives details of the general asbestos deposits of the region.

Far up the remote coast of Western Australia, 1,200 track miles from Perth, lies the little town of Roebourne. Two hundred miles eastward from here are the asbestos fields of Wittenoom's Gorge, that have been proved to run for one hundred miles. It is stated that the asbestos in sight on this field may well be worth more, at pre-war prices, than all the gold ever taken out of Australia.

A subsidiary of the Colonial Sugar Refining Co., among other interested parties, has taken over the field and is spending considerable sums in preparation of a large output. Miners are a composite of born Australians and immigrants from Europe, and the town itself is situated at the mouth of the gorge. The general situation is currently one of isolation with climatic conditions predominantly dry broken by sudden excesses of rainfall.

In the past, gold has been sought in this district to supplement the quantities of gold bullion that have been won from Western Australia. To the south there are deposits of silver lead. To the north-east in the Pilbara district, prospectors have discovered other mineral deposits.

The Mineral Resources of Australia: Summary Report No. 17: Asbestos: states that the most important desposits of chrysotile asbestos in the Commonwealth are in New South Wales and Tasmania as well as Western Australia. Deposits of crocidolite occur in South Australia and Western Australia, with those of the latter State by far the more important. In the quarter ended June 30, 1951, chrysotile asbestos production in New South Wales was 69 ore or conc. tons of fibre and 21 ore or conc. tons of



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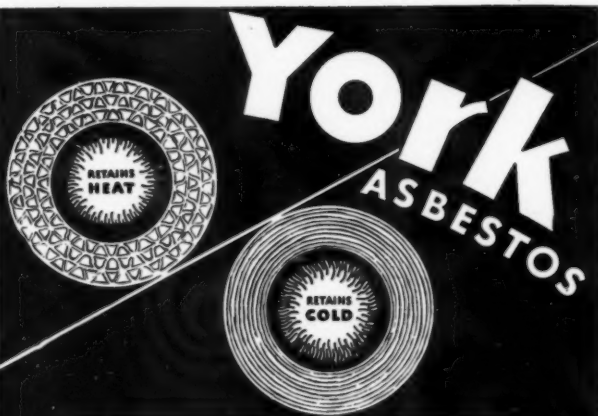
finer. During the same period Western Australia produced 101 ore or conc. tons. Western Australia thus earned £A.5,556 of the joint chrysotile asbestos income which between the two States totalled £A.12,569 for 191 tons. Australian production in 1950 of all types of asbestos was 1,617 tons.

In the Hammersley ranges of the Roebourne district, Western Australia possesses blue asbestos of excellent quality. Besides the activities of the subsidiary of the Colonial Sugar Refining Co., another company was lent £A.27,000 by the State Government, and overseas concerns have become interested in the area. Since the termination of the 1939-45 World War, Western Australia Government publications tell that chrysotile asbestos mining has been carried out sporadically by individuals and small companies in the North West for nearly forty years. Lack of continuity in supplies had militated against large scale development of the industry.

Anthophyllite asbestos occurs in commercial quantities within a reasonable distance of Perth and in close proximity to a railroad line. The convenient location of the deposits should make their exploitation a simple matter, always providing that market demand and price factors can be the subject of satisfactory adjustment. The pre-war consumption of raw asbestos in Australia amounted to some 15,000 tons valued at approximately £A.400,000. It is of interest that the entire amount of this consumption was imported from South Africa and Canada and consisted almost entirely of short fibre, suitable for asbestos cement products.

Seams of crocidolite have been worked in four principal localities namely, Yampire Gorge, Wittenoom's Gorge, Dale's Gorge and Marramamba.

A summary report of the mineral resources of Australia tells that in Yampire Gorge, seams of crocidolite have been exposed in the gorge over a total length of three miles, and occur in two stratigraphical horizons 150 to 200 ft. apart. The lower horizon has been benched intermittently for a mile in the upper, or southern, end of the



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gorge, and consists of two marker beds of riebeckite rock 4.5 ft. apart with which are associated several seams of crocidolite ranging from $\frac{1}{4}$ " to 2" wide. The beds dip gently to the north and the lower horizon passes under the floor of the gorge.

A little over three-quarters of a mile to the north, the upper horizon is exposed in the gorge and has been benched at intervals for nearly two miles. In most of these workings the horizon consists of a marker bed of riebeckite rock with one or two seams of fibre above and below it, the aggregate thickness of fibre being about two inches over a vertical interval of 2 to 4 ft. The length of the fibre varies from $\frac{1}{4}$ to $2\frac{1}{4}$ in. (Finucane, 1939). The production from individual localities is not shown in the records. A mill was installed in the Yampire Gorge area in 1939.

In Wittenoom's Gorge, asbestos seams occur 150 to 200 ft. above the floor of the gorge. The horizon contains a prominent marker, consisting of 6 in. of quartzite overlain by 10 to 15 in. of dolomite and immediately below the quartzite lies the main seam of crocidolite. This has been exposed in benches of 1,400 ft. and occurs in flat attenuated lenses 400 to 500 ft. long with the maximum development of fibre, up to 2 in. long, in the central portion of each lens.

About 4.5 ft. above the main seam lies the lower ribbon, consisting of four to seven seams over a thickness of 18 in., carrying fibre $\frac{1}{8}$ to $\frac{7}{8}$ in. long. Twenty to thirty feet above the marker an upper ribbon, 18 in. thick, is found, consisting of eight to ten seams carrying fibre $\frac{1}{4}$ to $1\frac{3}{4}$ in.

— — —

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MARKET CONDITIONS

GENERAL BUSINESS.

The end of the steel strike is, of course, a favorable factor. However, it will take some months to refill the pipelines and we are likely to see more disruption of production dependent on steel in the next month or two than has been witnessed during the actual strike period. The inflationary implications of the terms of settlement are obvious. For that reason, if the degree of inflation is to be taken as a measure of our economic well being, things promise to be good for some time to come. Some loss of production has occurred in certain areas because of abnormally hot weather. In general business activity continues at a high level except for a few well defined geographic areas and a few specific manufacturing activities where lack of raw material has slowed or stopped production.

ASBESTOS — RAW MATERIAL.

The same relation of supply to demand exists with respect to grades 3 to 5. The only noticeable change is a pick-up in demand for the 6 and 7 Group fibres. This is not excessive and practically all requirements can be met with little delay.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. Order bookings for textiles have slowed up considerably, which is particularly true of the heavier tapes. The steel strike has had much to do with the lessening in demand and it is hoped that after production is resumed on a satisfactory basis the calls for all kinds of tapes will substantially improve. Cloth is still in heavy demand, required primarily for the defense program.

Asbestos Brake Lining. The replacement market is holding firm, but the equipment market is slow because of the steel strike.

Asbestos Paper. The Paper market remains about the same, demand being below production. The *Millboard* market remains about the same as last month. The demand is very heavy for *Asbestos Saturated Paper*, particularly for Government jobs.

Insulation. High Pressure. The market is spotty, order bookings having fallen off considerably as well as

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shipments. This condition, no doubt, can be attributed to lack of orders brought about by the steel strike.

Insulation. Low Pressure. The demand continues at low level but improvement is expected.

Asbestos Cement Products. The siding market is very strong, both for re-siding and new homes, with apparently no let-up.

The corrugated and flat sheet business is quiet with no apparent backlog. The demand is below that of a year ago. The demand for roofing shingles is declining. The asbestos plastic type of shingle is replacing asbestos cement roofing shingles in many markets.

The market is continuing to strengthen for pressure pipe; the demand being heavier than it has been for the past several months.

Asphalt Tile. Because of an accelerated demand for asphalt tile, industry sales are currently running at about the record 1951 rate.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

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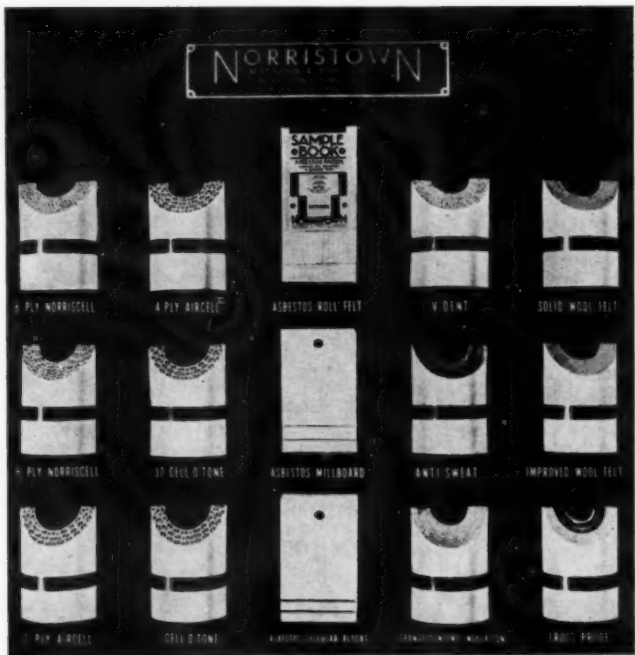
Mines and Mills in Gila Co., Arizona

WAGE RATES FOR PIPE COVERERS

The wage rates being paid Asbestos Workers (pipe coverers) in the principal cities and insulation centers of the United States at the present time are given in the tabulation below. Comparison with the list in November 1951 "ASBESTOS" (page 36) will show the changes during the year.

These rates are taken from the July 1952 issue of The Asbestos Worker (Official Quarterly Journal of The International Association of Heat and Frost Insulators and Asbestos Workers) and are believed to be up to date (as of July 1952) and authentic.

Akron, Ohio	\$2.87½*	Cleveland, Ohio	2.90
Albany, N.Y.	2.64	Columbia, S.C.	2.62½
Albuquerque, N.M.	2.61½	Columbus, Ohio	2.84*
Allentown, Pa.	2.17½	Connecticut	2.71
+7½c W.F.		+7½c W.F.	
Amarillo, Texas	2.61½	Corpus Christi, Texas ..	2.66½
Anchorage, Alaska	3.50	Cedar Rapids, Ia.	2.58
Appleton, Wis.	2.35	Dayton, Ohio	2.61
Atlantic City, N.J.	2.92½*	Dallas, Texas	2.61½
Effective 1/1/53	3.04*	Denver, Colo.	2.61
Atlanta, Ga.	2.62½	Des Moines, Ia.	2.47½
Austin, Texas	2.66½	Detroit, Mich.	3.02
Baltimore, Md.	2.62½	+7½c W.F.	
+7½c W.F.		Duluth, Minn.	2.45*
Baton Rouge, La.	2.73	El Paso, Texas	2.61½
Baumont, Texas	2.66½	Essex Co., N.J.	2.87½
Billings, Mont.	2.51½*	+3% W.F.	
+7½c W.F.		Evansville, Ind.	2.62½
Birmingham, Ala.	2.62½	Fort Wayne, Ind.	2.55
+7½c W.F.		Fort Worth, Texas	2.61½
Boise, Idaho	2.34	Freeport, Tex. (Dow	
Borger, Texas	2.61½	Chem. Maintenance	
Boston Naval Shipyard ..	1.90	only)	2.29
Boston, Mass.	2.78	Galveston, Texas	2.66½
Effective 1/1/53	2.85	Grand Rapids, Mich.	2.65
+9c W.F.		Green Bay, Wisc.	2.35
Bremerton, Puget Sound		Greensboro, N.C.	2.62½
Navy Yard	1.97	Greenville, S.C.	2.62½*
Buffalo, N.Y.	2.86½	Houston, Texas	2.66½
Charleston, S.C.		Hudson Co., N.J.	2.87½
Navy Yard	1.90	+3% W.F.	
Charleston, S.C. Except		Huntingdon, W. Va.	2.77½*
Navy Yard	2.62½*	Indianapolis, Ind.	2.75
Charleston, W. Va.	2.62½	Jackson, Mich.	2.65
Effective 9/1/52	2.77½*	Jackson, Miss.	2.73
Charlotte, N.C.	2.62½	Jacksonville, Fla.	2.62½
Chicago, Ill.	2.95	Kalamazoo, Mich.	2.65
+7½c W.F.		Kansas City, Mo.	2.61
Cincinnati, Ohio	2.70½	Knoxville, Tenn.	2.61½



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"ASBESTOS" — August 1952

Page 23

Lansing, Mich.	2.65	Portsmouth, Va.	
Laramie, Wyo.	2.61	(Except Navy Yard) 2.62½	
Lawrenceburg, Ind.		Providence, R.I.	2.69½
(Distillery Plant		+9c W.F.	
Workers only)	2.33½	Richmond, Va.	2.62½
Little Rock, Ark.	2.61	Rochester, N.Y.	2.80
Long Beach, Cal.		+5c W.F.	
(Navy Yard)	1.97	Sacramento, Cal.	2.90*
Los Alamos, N.M. (Municipal Operations,		+7½c W.F.	
Maintenance only) ..	2.55	Saginaw, Mich.	2.65
Los Angeles, Calif.	2.90	Salt Lake City, Utah ..	2.36½
+7½c W.F.		San Antonio, Texas	2.66½
Louisville, Ky.	2.60½	San Francisco, Cal.	2.90*
Madison, Wis.	2.69	+7½c W.F.	
Manitowoc, Wis.	2.35	San Francisco, Cal.	
Mare Island Naval Shipyard, Vallejo, Cal.	2.07	(Naval Shipyard)	2.07
Memphis, Tenn.	2.61½	Savannah, Ga.	2.62½
Miami, Fla.	2.65	Scranton, Pa.	2.30
Milwaukee, Wis.	2.69	+7½c W.F.	
Minneapolis, Minn.	2.70	Seattle, Wash.	2.67½
Mobile, Ala.	2.73*	+7½c W.F.	
Nashville, Tenn.	2.62½*	Shreveport, La.	2.61½
New Orleans, La.	2.73	Sioux City, Ia.	2.60
Newport News, Va.		South Bend, Ind.	2.65½
(except Navy Yard) ..	2.62½*	Spokane, Wash.	2.62½
New York City, N.Y.	3.15	Springfield, Mass.	2.71*
+6% W.F.		Springfield, Mo.	2.47½
New York Naval Shipyard	1.92	St. Paul, Minn.	2.70
Norfolk, Va., Navy Yard	1.88	St. Louis, Mo.	2.83
Norfolk, Va. (except		Syracuse, N.Y.	2.79
Navy Yard)	2.62½*	+5c W.F.	
Oak Ridge, Tenn.		Tacoma, Wash.	2.67½
(Clinton Engrg. Wks.		+7½c W.F.	
Maintenance only) ..	2.11	Tampa, Fla.	2.62½
Oklahoma City, Okla.	2.61½	Texas City, Texas.	
Oleum, Cal. (Union Oil		(Carbide Carbon	
Maintenance only)	2.58½	Chem. Maintenance	
Omaha, Nebr.	2.68	only)	2.39
Pascagoula, Miss.	2.73*	Toledo, Ohio	2.92
Philadelphia, Pa.	2.92½*	Trenton, N.J.	2.92½*
Effective 1/1/53	3.04*	Effective 1/1/53	3.04*
+7½c W.F.		+7½c W.F.	
Phila., Pa. Navy Yard ..	1.92	Tulsa, Okla.	2.61½
Phoenix, Ariz.	2.75	Washington, D.C.	2.90
Pittsburgh, Pa.	3.00	+10c W.F.	
Port Arthur, Texas	2.66½	Wausau, Wis.	2.35
Portland, Ore.	2.61	White Plains, N.Y.	3.17
+10c W.F.		Wichita, Kan.	2.47½
		Wilkes-Barre, Pa.	2.30
		+7½c W.F.	



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Unarco Insulations, Asbestos Packings, Gaskets, and Textile Products serve so many different uses in so many different places, you can always look to Unarco with confidence—whatever the need.

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332 South Michigan Avenue, Chicago 4, Illinois



Wilmington, Del.	2.92½*	York, Pa.	2.09
<i>Quentine 1/1/53</i>	3.04*	+7½c W.F.	
+7½c W.F.		Youngstown, Ohio	2.81
Wood River, Ill. (Oil Refinery only)	2.31		

* Negotiated—Pending approval of Construction Industry Stabilization Commission.

Note: W.F. means Welfare Fund.

PRODUCTION STATISTICS

Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2000 lbs.

Production for March 1952	6,635.05 tons
Valued at	£482,599
Production for March 1951	6,393.15 tons
Valued at	£417,952

Africa (Swaziland)

Production for June 1952	2,875 tons
--------------------------------	------------

Canada

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for May 1952	81,451 tons
Compared with May 1951	90,895 tons
Dominion Production for May 1952 is 83,358 tons, a difference of 1,907 tons from the Quebec figure.	

Cyprus

(From W. Parry James, A. C. S. M., Inspector of Mines)

Second Quarter 1952

Tons—2000 lbs.

	April	May	June
Rock Mined	107,533	223,047	333,269
Rock Treated	24,908	61,085	82,189
Fibre Produced	796	1,522	2,656
Fibre Exported	827	1,160	3,728

ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC

CANADA

REPRESENTATIVES

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115 South Gay St.

CLEVELAND, OHIO:

WORLD'S PRODUCTS TRADING CO.,
842 Standard Bldg.

CHICAGO, ILL.:

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NEW YORK, N. Y.:

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SAN FRANCISCO, CAL.:

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ASBESTOS**

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and
ARIZONA**

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ARE INVITED**

GLENN A. SMITH
and Associates

INTERNATIONAL MERCHANTS SINCE 1921

555 SO. ALEXANDRIA AVENUE • LOS ANGELES 5, CALIF.

Union of South Africa

(Quarterly Information Report - Dept. of Mines)

Tons 2000 lbs.

	4th Quarter (Oct., Nov. & Dec. 1951)					
	Production	Local Sales		Exports		
	Tons	Tons	Value	Tons	Value	
Amosite	15,280	2,419	£ 52,688	13,437	£ 555,455	
Anthophyllite	120	107	1,069	
Chrysotile	6,259	551	27,911	3,300	326,057	
Cape Blue	4,786	550	25,045	5,181	421,760	
Transvaal Blue	4,570	480	32,205	5,469	392,011	
	31,015	4,000	£137,849	27,494	£1,696,352	
Year 1951						
	Production	Local Sales		Exports		
	Tons	Tons	Value	Tons	Value	
Amosite	54,053	6,490	£149,437	43,246	£1,653,958	
Anthophyllite	147	2	48	107	1,069	
Chrysotile	19,509	2,436	103,036	12,048	966,793	
Cape Blue	18,078	1,641	78,996	17,434	1,283,740	
Transvaal Blue	15,581	925	60,888	16,900	1,150,583	
	107,368	11,494	£392,405	89,735	£5,056,143	

IMPORTS AND EXPORTS

Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

From	April 1952	
	Tons (2240 lbs.)	
Canada	50,103	
Union of S. Africa	1,859	
S. Rhodesia	914	
U. S. S. R.	360	
Other Countries	28	

Valued at..... \$5,437,705

By Grades:

Crude No. 1, Chrysotile, S. Rhodesia	54
Crude No. 1, Chrysotile, Other Countries	9
Crude No. 2, Chrysotile, Canada	45
Crude No. 2, Chrysotile, S. Rhodesia	202

Crude Other, Chrysotile, U. of S. Africa.....	259
Crude Other, Chrysotile, S. Rhodesia	658
Crude Other, Chrysotile, Other Countries...	1
Crude, Blue, U. of S. Africa.....	168
Crude, Amosite, U. of S. Africa.....	1,432
Textile Fibres, Chrysotile, Canada	2,032
Shingle Fibres, Chrysotile, Canada	8,091
Paper Fibres Chrysotile, Canada	5,960
Paper Fibres, Chrysotile, U.S.S.R.	360
Other Fibres, Chrysotile, Canada	33,975

53,264

Manufactured Asbestos Goods:

	April 1952	
	Quantity (lbs.)	Value
Asbestos Yarn		
Canada.....	62,469	\$ 51,478
United Kingdom.....	42,910	25,966
Asbestos Packing—Fabric	533	510
Asbestos Packing—Not Fabric	1,067	448
Asbestos Woven Fabrics—Other.....	8,665	7,628
Asbestos Brake Lining—(Molded)....	5	16
Asbestos Cement Products (Impreg.) ..	2,457	409
Asbestos Cement Products (Not Impreg.)		
Mexico.....	283,616	20,036
Other Countries	203,785	13,022
Asbestos Shingles (Not Impreg.).....	52,318	3,749
Asbestos Manufactures—Others.....	1,612
	657,825	\$124,374

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	April 1952	
	Tons (2240 lbs.)	Value
To Europe.....	196	\$ 59,348
S. America	182	45,482
Other Countries.....	291	94,860
	669	\$199,690

Manufactured Asbestos Goods:

	April 1952	
	Quantity	Value
Asbestos Pipe Covg. & Cement	Lbs. 324,656	\$ 44,477
Asbestos Textiles & Yarn	Lbs. 156,917	59,213

NICHOLS
NEVER-STAIN

Aluminum File-Grip®

ASBESTOS SIDING NAILS



**SOLID ALUMINUM —
WILL NOT STREAK SIDING
— INCONSPICUOUS — NAIL
HEADS WILL NOT DISCOLOR
— GREAT HOLDING POWER**

WHEN DRIVEN
THEY TURN
LIKE A
SCREW
NO "CREEPING"

- **ECONOMICAL**—Save up to 50% over other asbestos siding nails.
- **"FILE-GRIP"**—Spiral serrations insure minimum wood fiber breakage and maximum contact with wood fibers under constant tension.
- **ETCHED**—In accordance with FHA requirements for maximum holding power and sterile cleanliness.
- **CORROSION RESISTANT**—No harmful reaction.
- **DRIVEABILITY**—Unqualified approval given by leading test laboratories. Millions have been driven.
- **NATIONALLY ADVERTISED**—In leading building and consumer publications.

Many leading asbestos siding manufacturers are including "File-Grip" Aluminum Nails with their product. Literature and samples available upon request.



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Branches: Mason City, Iowa; Battle Creek, Mich.;
Cincinnati, O.; Atlanta, Ga.; South Deerfield, Mass.;
Seattle, Wash.; Oakland, Calif.

Asbestos Packing	Lbs.	201,421	236,329
Asbestos Bk. Lng. (Mid.&S.Mid)	Lbs.	484,710	457,332
Asbestos Bk. Lng. Woven	Lbs.	55,549	37,049
Asbestos Clutch Facings	No.	99,708	65,340
Asbestos Brake Blocks	Lbs.	37,883	45,258
Asbestos Construction Materials	Lbs.	2,494,402	271,940
Asbestos Manufactures—Others			33,398
			<hr/>
			\$1,220,336

Exports from Canada

(Published by Dominion Bureau of Statistics)

		April 1952	
		Tons (2000 lbs.)	Value
<i>Unmanufactured Asbestos:</i>			
<i>Crude</i>			
United States	55	\$	47,434
United Kingdom			
South America			
Central America & Mexico			
European Countries	2		1,368
Other Countries			
		<hr/>	<hr/>
	57	\$	48,802
<i>Milled</i>			
United States	18,370	\$3,053,417	
United Kingdom	2,232	392,002	
South America	1,994	386,104	
Central America & Mexico	365	55,679	
European Countries	4,583	808,963	
Other Countries	210	34,035	
		<hr/>	<hr/>
	30,049	\$5,126,992	
<i>Shorts</i>			
United States	33,808	\$1,935,427	
United Kingdom	945	46,637	
South America	962	75,832	
Central America & Mexico			
European Countries	6,817	511,662	
Other Countries	1,398	124,798	
		<hr/>	<hr/>
	48,930	\$2,694,356	
<i>Grand Total—Unmanufactured Asbestos</i>	79,036	\$7,870,080	
<i>Manufactured Asbestos Goods:</i>			
Brake Lining		\$	76,156
Packing			3,153
Other Materials			96,267
			<hr/>
			\$175,576



Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

ATLANTA 339-41 Elizabeth St., N.E.	DALLAS 10 601 Second Ave.	JACKSONVILLE 6, FLA. 800 E. Bay St.	NEW ORLEANS 16 315-25 N. Front St.
BALTIMORE 30 612 Battery Ave.	DETROIT 21 14401 Prairie Ave.	KANSAS CITY 7, MO. 1401 St. Louis Ave.	NEW YORK 17 331 Madison Ave.
BOSTON 57 Regent St., N. Cambridge 40	HOUSTON 1 Commerce and Palmer Sts.	KNOXVILLE 1221 Grand Ave.	PHILADELPHIA 39 856 N. 48th St.
CHARLOTTE 3, N. C. 567 S. Cedar St.	INDIANAPOLIS 4 15 E. Washington St.	LOS ANGELES (Maywood): 6116 Walker Ave.	ST. LOUIS 9 3176 Brennan Ave.
CINCINNATI 2 427 West 4th St.	In Canada: Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto		SAN FRANCISCO 7 440 Brannan St.

Imports of Asbestos by United Kingdom

Raw Material

	May 1952 Tons (2240 lbs.)
From Union of South Africa.....	1,161
Southern Rhodesia.....	6,745
Bechuanaland, Basutoland & Swaziland...	1,134
Canada.....	8,350
Other Commonwealth Countries and the Irish Republic.....	116
Foreign Countries.....	1
	<hr/> 17,507

These figures were supplied by the Mining Journal Limited of London.

AUTOMOBILE SALES

	June 1952
Passenger Cars	408,250
Motor Trucks	109,976
Motor Coaches	484
	<hr/> 518,710

In June 1951 a total of 617,685 motor vehicles were sold. In the six months of 1952 the total was 2,845,811.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

... —

The 40th National Safety Congress and Exposition will be held October 20 to 24th in Chicago, Ill. Sessions on industrial safety scheduled for Conrad Hilton, Congress, Morrison and Sheraton Hotels; traffic safety sessions at Congress Hotel; commercial vehicle, transit and farm safety sessions at La Salle Hotel; school safety sessions at Morrison Hotel, and home safety sessions at Conrad Hilton Hotel.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

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This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

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85% Magnesia insulation

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BUILDING

The first six months of 1952 trailed the first six months of 1951's record-breaking volume in construction contracts awarded in the 37 states east of the Rockies by 12 per cent. F. W. Dodge Corporation, construction news and marketing specialists reports the total for the first half of the year was \$7,758,578,000 compared with \$8,808,109,000 reached during the first half of 1951.

It was pointed out that, discounting \$980 million in Atomic Energy Commission project awards included in the first half figures for 1951, the current year was only 1 per cent behind last year.

The June total for 37 states was \$1,488,850,000 or 5 per cent less than May but 6 per cent more than June 1951.

Other June individual totals: Non-residential, \$551,500,000, 19 per cent more than May but less than 1 per cent below June 1951; residential, \$581,792,000 or 23 per cent less than May but 7 per cent more than June 1951; public and private works and utilities, \$355,558,000, up 2 per cent over May and up 15 per cent over June 1951

Six-month individual totals compared with six months 1951 were as follows: Non-residential, \$2,698,975,000, down 34 per cent; residential, \$3,344,037,000, up 1 per cent; public and private works and utilities, \$1,715,566,000, up 21 per cent.

All grades of Canadian
ASBESTOS FIBRES
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New York, N. Y., U. S. A.

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— Importers —

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We offer the following woven asbestos items
for any reasonable price, subject to prior sale:

Plain Asbestos Tape

$\frac{1}{8}" \times 2"$	232 Lbs.
$\frac{1}{4}" \times 2"$	4,600 Lbs.

Wire Inserted Tape

$\frac{1}{16}" \times \frac{1}{2}"$	1,812 Lbs.
$\frac{1}{16}" \times 1\frac{3}{4}"$	2,460 Lbs.
$\frac{1}{8}" \times \frac{5}{8}"$	26 Lbs.
$\frac{1}{8}" \times 1\frac{3}{16}"$	300 Lbs.

Plain Asbestos Tubing

$\frac{1}{4}"$ Inside Diameter by $\frac{1}{8}"$ Wall	540 Lbs.
$1\frac{1}{4}"$ Inside Diameter by $\frac{1}{8}"$ Wall	2,204 Lbs.
$1\frac{1}{2}"$ Inside Diameter by $\frac{1}{8}"$ Wall	1,057 Lbs.
$\frac{3}{8}"$ Inside Diameter by $\frac{3}{32}"$ Wall	180 Lbs.

Asbestos Tubing—Black Neoprene Coated

$\frac{1}{4}"$ Inside Diameter by $\frac{1}{8}"$ Wall	338 Lbs.
$\frac{3}{4}"$ Inside Diameter by $\frac{1}{8}"$ Wall	150 Lbs.
$1\frac{1}{4}"$ Inside Diameter by $\frac{1}{8}"$ Wall	10,000 Lbs.



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World's Finest Iron Free White Fibre

Arizona Crudes Used Extensively Throughout the
World for Electrical Insulation

Arizona Fiberized Fibre Used Extensively Throughout
the World for Filtration

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NEWS OF THE INDUSTRY

BIRTHDAYS

- Herbert E. Smith, Retired, Chairman, U. S. Rubber Co., New York City, N. Y., August 16th.
- C. B. Pooler, Vice President, The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, August 18th.
- R. J. Tobin, Chairman, Tilo Roofing Co., Stratford, Conn., August 18th.
- Carl W. Lemmerman, President, Homestead Corporation, Hartford, Conn., August 19th.
- Harry Coombs, Works Manager, Beldam Asbestos Co., Ltd., Hounslow, England, August 20th.
- C. H. Carlough, President, Carolina Asbestos Co., Davidson, N. C., August 20th.
- P. E. Coombes, Director and General Manager, Uxbridge Flint Brick Co., Uxbridge, Middx., England, August 21st.
- Melvin A. Jackson, V.P., Grant Wilson, Inc., Chicago, Ill., August 22.
- F. P. Kuchenbecker, President, Asbestos & Magnesia Materials Co., Chicago, Ill., August 23rd.
- H. W. Davis, General Sales Manager, Asbestone Corporation, New Orleans, La., August 25th.
- Matthew Balich, President, Matthew Balich Corporation, New York, N. Y., August 29th.
- George Robinson, Secretary, Johnson's Co., Thetford Mines, P. Q., Canada, August 30th.
- A. W. Swartz, President, Linear Packing & Rubber Co., Philadelphia, Pa., August 31st.
- John P. Syme, Vice President, Johns-Manville Corp., New York, N. Y., September 1st.
- W. D. Pardoe, Vice President, Thermoid Company, Trenton, N. J., September 8th.
- Abbott Coburn, President, Globe Roofing Products Co., Inc., Whiting, Ind., September 9th.
- Pierre E. Donellon, Vice President, Charge of Construction, Tilo Roofing Co., Stratford, Conn., September 9th.
- K. R. MacDonald, Director of Purchases, The Ruberoid Co., New York City, N. Y., September 10th.
- J. Gillmur Tyson, Jr., President, Consolidated Asbestos Corp., Sellersville, Pa., September 14th.
- R. J. Berry, President, Standard Asbestos Mfg. Co., Cleveland, Ohio, September 15th.

To all of these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

Asbestos Fibre Processors

Inquiries solicited for requirements of Quebec
Chrysotile Asbestos Fibre from spinning
grades to shorts and floats. Large tonnage
available for 1953 onwards.



DOMINION ASBESTOS FIBRE SALES LIMITED

Head Office: 1212 University Tower Building
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Montreal, Canada

CAREY SEMI-ANNUAL REPORT

Report for the six months ended June 30, 1952 was issued on July 28th by the Philip Carey Mfg. Company, and gives the following figures:

Sales 1952	\$24,723,924
Compared with same period in 1951	28,761,609
Net earnings after income taxes—1952	856,790
Compared with same period in 1951	1,702,756
Earnings per common share	1.02
Compared with same period in 1951	2.07

ASBESTOS-CEMENT PRODUCTS ASSOCIATION

Holds Summer Meeting

New and improved styling of asbestos-cement shingles, particularly from the viewpoint of color, has given impetus to their rapidly growing popularity, *Chester C. Kelsy*, manager of the Asbestos-Cement Products Association, reported at the association's summer meeting at Absecon, N. J.

Shipments of asbestos siding shingles during the first four months of 1952 were the largest on record for the period. April shipments set a new record for that month.

The siding units now being offered by the industry are by far the most attractive in the 20-year history of the product. Each manufacturer has concentrated upon adding new colors to the line. As a result, asbestos siding now is available in a range of colors and tones to suit every taste and style of architecture. Among the favored colors are greens, browns and grays, altho high demand continues for white shingles.

The meeting marked the association's fifteenth anniversary. Formed in 1937, as the trade group of the asbestos-cement building materials industry, its principal objectives have been product research and improvement, product publicity and improved application techniques. In addition to siding shingles, industry products include roofing shingles, flat sheets and corrugated sheets.

William R. Wilkinson, vice-president for sales of Johns-Manville Corporation, was re-elected association president; *Ernest Muehleck*, president of Keasbey & Mattison Company, was elected vice-president; *R. J. Tobin*, president of the Tilo Company, and *Chester C. Kelsy*, association manager, again were named treasurer and secretary respectively.

Directors for the coming year, in addition to the officers, include *L. W. Clarke*, the Philip Carey Mfg. Company; *Clifford F. Favrot*, Asbestone Corporation; *James E. Holbrook*, Pabco Products; *H. F. McFarland, Jr.*, Smith Asbestos Products Inc.; *Stuart H. Ralph*, the Flintkote Company; *J. H. Steiner*, Supradur Corporation of New York, and *Stanley Woodward*, the Ruberoid Company.

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Rubber and Asbestos*

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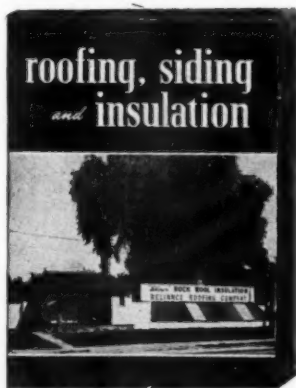
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roofing,
siding and
insulation
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Crocidolite

Amosite

Montanosite Type

Cables: "AFREPS" Johannesburg

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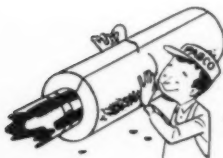


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*Dependable precision in heat insulation,
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combines time-tested superiority with
precision molding—close tolerances, con-
trolled sizes, light weight, uniform texture!*



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lift, quicker to cut and score, simpler
to embed tie wires! You get Precision fit—
pipe sizes and blocks molded to exact size!*



PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19

New York 16

Manufacturers of Heat Insulation since 1920

50TH ANNIVERSARY MEETING

American Society for Testing Materials

At the 50th Anniversary Meeting of the ASTM held at the Hotels Statler and New Yorker in New York City thruout the week of June 22nd, there were presented 165 papers in some forty formal and informal technical sessions and 70 reports from the technical committees.

The registration figure of 2606 compares to the previous high of 2277 in 1951.

Dr. Harold Lee Maxwell, Supervisor of Mechanical Engineering Consultants, E. I. de Nemours & Co., Inc., Wilmington, Del., was elected President for 1952-1953, succeeding T. S. Fuller, Engineer in Charge of Works Laboratory, General Electric Company, Schenectady, N. Y., who continues on the Board of Directors as Past-President for three years.

The 1953 Annual Meeting of the Society will be held from June 29th to July 3, inclusive at Hotel Chalfonte-Haddon Hall, Atlantic City, N. J.

THE PHILIP CAREY MFG. COMPANY

Appoints New Manager of Construction

C. L. Hoshaw has recently been appointed as Manager of Construction for The Philip Carey Mfg. Company.

After receiving his engineering education at Purdue University, Mr. Hoshaw was affiliated with Adams-Westlake Company, Bendix Aviation Corp., and The Carrier Corp. In 1937 he joined Carey as an estimator, later becoming Contract Manager in Indianapolis. In his new position Mr. Hoshaw will oversee Insulation and Built-up Roofing Contract units.

LAFAYETTE ASBESTOS CO., LTD.

The Lafayette Asbestos Co., Ltd., recently purchased the mineral rights together with machinery and equipment from the St. Lawrence Asbestos Co., Ltd., whose property is situated in Cranbourne Township, Dorchester County, Quebec. The property consists of 1,040 acres. The company issued a total of 1,842,222 shares for the property, sold 938,621 shares and has 550,000 shares in the treasury. The Sutherland Co. of New York, N. Y., has, under a firm commitment agreement, already purchased 913,000 shares and undertaken to purchase the balance of the unissued treasury stock to-wit: 550,000 shares, for a total of \$1,353,000.

Officers of the Lafayette Asbestos Co., Ltd. are: *H. Crepeau*, Montreal, President; *P. Chiarella*, Montreal, Vice-President; *Paul Trudel*, Montreal, Treasurer; *J. M. Lord*, St. Odilon, Quebec, Secretary. The Directors are: *C. Martel* and *P. E. Frechette*, Sherbrooke, Que., *Fred E. Hebert*, *G. Hebert*, Worcester, Mass., *E. W. Paine*, Holden, Mass., *Louis Vachon*, St. Marie de Beauce, Quebec.

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AMERICAN BRAKE SHOE

Semi-Annual Report

Shipments of American Brake Shoe for the first six months of 1952 were \$73,918,104, a decrease of \$3,675,618 from the same period of 1951.

Earnings were \$2,664,364 for the six months ended June 30. After Preferred dividends, they equalled \$1.00 and \$2.07 respectively per share of Common Stock. For the corresponding periods in 1951 they were \$1.44 and \$2.57 per Common share when adjusted to reflect the higher Federal taxes on income which were imposed retroactively in October, 1951.

Inventories were \$18,070,349 at June 30, a reduction of \$2,874,823 since the first of the year. Capital expenditures for the six months period were \$4,278,028 against \$1,783,639 in depreciation and amortization. Capital expenditures for the entire year are estimated to be \$8,500,000 including the three new plants at Medina, New York, and Pomona and Azusa, California.

JOHNS-MANVILLE

Report for Second Quarter

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the second quarter of 1952 were \$6,408,810, compared with \$6,300,043 for the corresponding period last year.

Sales for the second quarter of 1952 were \$60,264,149, compared with \$62,677,569 for the second quarter of 1951.

Earnings per share of common stock were \$2.03 for the second quarter, compared with \$1.99 for the second quarter last year.

Income taxes less \$190,000 for carry back of credit for excess profits taxes were \$4,450,000 for the second quarter this year. Last year income and excess profits taxes for the second quarter were \$8,630,000.

For the year to date sales were \$116,339,938 and earnings were \$11,917,197, or \$3.77 per common share, compared with sales of \$120,331,613 and earnings of \$12,593,038, or \$3.98 per common share, for the first six months last year.

AMERICAN BRAKE SHOE CO.

Appoints Purchasing Agent

Thomas W. Russell, Jr. was appointed general purchasing agent of American Brake Shoe Company.

Mr. Russell was graduated from St. Georges School and Yale University. He joined American Brake Shoe Company as an apprentice in 1945 and served four years in the operating department. He entered the purchasing department as a buyer in 1949 and became assistant general purchasing agent in 1950.

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DOMINION ASBESTOS MINES

Dominion Asbestos Mines Limited announces that construction of its new mill and mining plant is proceeding rapidly at its property situated on the South Slope of Mount St. Adrien near the village of St. Adrien de Ham in Wolfe County, Province of Quebec, Canada, 12 miles East of the town of Asbestos.

Company plans call for an open pit operation, which is feasible to a depth of at least 500 feet. While mill and mining plant are being constructed, bulldozers and power shovels will continue the work of stripping off the earth overburden which is around 35 feet deep over the pit area, which is to be about 300x200 feet to start.

The work is under the direction of H. J. D. Bambrick, former senior engineer of Canadian Johns-Manville, who is now resident engineer for Dominion Asbestos. R. A. Denovan, P.Eng., B.Sch., M.I.E.C., who was for 27 years the mill engineer with Canadian Johns-Manville Co., Ltd., following his exhaustive studies of the property, was elected vice-president of Dominion Asbestos. Mr. Denovan, who designed the large Johns-Manville mill at their Matheson, Ont. workings, has designed an ultra-modern mill for the operations of Dominion Asbestos. Independent reports on the property were also made by Raymond LeBlanc, M.Sc., M. Eng., and L. P. Bonneau, P.Eng., formerly with Johns-Manville and now Professor of Mining at Laval University. The concurrent findings of Denovan, LeBlanc and Bonneau indicate a main asbestos ore deposit 1,800 feet long by 700 feet wide and at least 763 feet deep, comprising some 23,000,000 tons of ore which would mill down to about 2,000,000 tons of asbestos fibre, on the basis of an asbestos recovery of roughly 10% from the ore. There is ore in this main body for some 35 years of production with the 2,200 tons-a-day mill now planned and this body embraces only part of the property owned by the Company. Diamond drilling 1,900 feet to the east indicates the possibility of another ore body.

It is expected that the mine will enter production during the first quarter of 1953.

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DOMINION ASBESTOS MINES LTD

Appoints Sales Agents

Dominion Asbestos Mines Limited announce the appointment of Dominion Asbestos Fibre Sales Limited, Montreal, Quebec, as Sales Agents for its entire mill production of Quebec Chrysotile asbestos fibre.

ASBESTOS-CEMENT PRODUCTS ASSOCIATION

The Asbestos-Cement Products Association, at its recent annual meeting, voted to continue the Technical Division which was established last year.

Under Ralph L. Barbehenn, Technical Director, Association Laboratories have been set up at Plainfield, New Jersey. Modern equipment has been installed for the study and analysis of asbestos-cement products and the raw materials used in their manufacture.

Working in cooperation with the technical directors of the member companies, a research program has been instituted under the direction of the Association's Technical Committee, of which Clyde R. Hutchcroft, Technical Manager of the Keasbey & Mattison Company, is Chairman.

KEASBEY & MATTISON COMPANY'S NEW PLANT

At Santa Clara, California

Progress has been made toward the construction of a K & M plant in Santa Clara for the manufacture of "Century" Asbestos-Cement pipe.

Construction of the new plant by the Austin Company was started in July and completion is anticipated by March 1953 at a cost of \$2,750,000.

The main building will be 110' by 700' erected on a 26 acre site located at the intersection of Lafayette Street and Kiefer Road.

American Industry is expanding forward and westward to better serve the new markets. K & M in its desire to provide more effective service joins in this modern day westward trek.

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"ASBESTOS" — August 1952

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MEETING OF THE ASBESTOS TEXTILE INSTITUTE

The Asbestos Textile Institute held its second quarterly meeting of 1952 in Philadelphia, Pa., on June 19th and 20th. The first day was devoted to meetings of the Board of Governors, the Air Hygiene Committee, the Sales Promotion Committee, and the Technical Committee. The Committee Meetings were well attended and each of the Committees is carrying on an extensive program of activities.

The General Meeting of the Institute was held on Friday, June 20th, and at this meeting it was announced that five new Associate Members had joined the Institute. The new members are: Asbestos Corporation, Ltd., Thetford Mines, Canada; Johnson's Company, Ltd., Thetford Mines, Canada; British Belting & Asbestos Ltd., Yorkshire, England; Small & Parkes Ltd., Manchester, England; and English Asbestos Co., Ltd., Bristol, England.

R. E. Cryor, President of the Institute, in welcoming the new Associate Members, expressed the hope that through this extension membership there will be a broadening of the Institute's activities and services in the asbestos textile industry. Membership in the Asbestos Textile Institute has heretofore been confined to the continental limits of the United States. However, under the new policy, qualified asbestos textile interests outside the United States are being invited to become Associate Members, and through such widening of membership the scope of activities and the influence of the Institute is expected to be considerably extended.

Carl Bindman of Johnson's Company, and J. A. D. Marcotte of Asbestos Corporation, addressed the meeting with reference to the problems common to both the producers and consumers of asbestos spinning fibers, and praised the work and services performed by the Institute in developing technical knowledge and in promoting interest in asbestos and asbestos textiles.

THE ASBESTOS & MAGNESIA MATERIALS CO.

New Location

F. P. Kuchenbecker, President of The Asbestos & Magnesia Materials Company announces their new quarters are now located at 2614-2622 North Clybourn Avenue, Chicago 14, Ill. new telephone number Diversey 8-4554.

The four story building at this address has been completely reconditioned thruout with air conditioned offices located on the second floor; the balance of the building to be used for warehouse space.

The company was organized in the State of Illinois, March 1, 1920 and has been approved Contractors of Johns-Manville for 26 years and Distributors for 24 years.

During the past few years they have been handling a product called Spray-Craft which is a semi-acoustic correction and Thermal Insulation Spray Gun Method.

The 1950 Materials Survey, Asbestos, Compiled for National Security Resources Board, by the United States Department of the Interior, Bureau of Mines, has just been released. It presents varieties and composition of asbestos, description of deposits, mining methods, grading and classification, world production and reserves, political and commercial control, international trade, marketing, substitutes for asbestos, synthetic asbestos, and problem of low-iron asbestos. Copies can be obtained from U. S. Government Printing Office, Division of Public Documents, Washington 25, D.C., for \$1.75—catalog No. I 28.97:As 1.

CURRENT RANGE OF PRICE

As of Aug. 10, 1952

Arizona— Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

No. 1 Crude.....	1,200.00 to 1,600.00
No. 2 Crude	900.00 to 1,000.00
No. 3 Crude	375.00 to 450.00
Filter Fibre	425.00 to 475.00

Canada— Per Ton (2000 lbs.) f.o.b. Mine

Group No. 1 (Crude No. 1)	\$1,100.00 to \$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	500.00 to 1,000.00
Group No. 3 (Spinning Fibre)	300.00 to 525.00
Group No. 4 (Shingle Fibre)	150.00 to 200.00
Group No. 5 (Paper Fibre)	100.00 to 140.00
Group No. 6 (Waste, Stucco or Plaster)	77.00
Group No. 7 (Refuse or Shorts)	35.00 to 70.00

Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville Vt.

Group No. 3 (Spinning & Filtering)	321.00 to 348.00
Group No. 4 (Shingle Fibre)	156.00 to 173.00
Group No. 5 (Paper Fibre)	110.00 to 132.00
Group No. 6 (Waste, Stucco or Plaster)	78.00
Group No. 7 (Refuse or Shorts)	37.00 to 68.50

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JOHANNESBURG.

A patent on Rusco Fused Fabric brake lining was issued to Russell Manufacturing Company, Middletown, Conn., on February 2, 1952. The patent number is 2,584,825.

The patent discloses that the company has developed a completely new method of manufacturing brake lining. Strands of asbestos web are saturated and completely surrounded with a special frictional binder material. This mass is compressed under 300 tons of pressure, affecting a density of 120 pounds per cubic foot, with a tensile strength nearly ten times that of conventional woven brake lining. Because of its greater density and tensile strength, it is claimed that Rusco Fused Fabric brake lining will not absorb water.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

July 1952

	Par	Low	High	Last
Amer. Br. Shoe (Com).....	np	39½	40¾	40½
Amer. Br. Shoe (Pfd).....	100	102¼	105¼	105
Armst. Ck. (Com).....	np	50	55¾	55½
Armst. Ck. (Pfd).....	np	95¾	98	96
Armst. Ck. (Conv. Pfd).....	np	113	115½	114¼
Asb. Corp. (Com).....	np	22½	25	25
Carey (Com).....	10	17	17¾	17
Celotex (Com).....	np	17¾	18¾	17½
Celotex (Pfd).....	20	16¾	17	16¾
Certainteed (Com).....	1	14%	15¼	15¼
Flintkote (Com).....	np	28¾	29¾	29
Flintkote (Pfd).....	np	100	101	100½
Johns-Manville (Com).....	np	74	77½	77½
Pabco Products (Com).....	np	13	14	13¼
Pabco Products (Pfd).....	100	91½	94½	91½
Ray-Man (Com).....	np	41¾	44¾	44¾
Ruberoid (Com).....	np	63½	65¾	64
Thermoid (Com).....	1	9%	10	9%
Thermoid (Pfd).....	50	44	45½	45½
Union Asb. & Rub. (Com).....	5	12½	13¼	13¼
United Asb. (Com).....	1	\$3.30	\$4.10	\$3.55
U. S. Gypsum (Com).....	20	114¼	117½	117½
U. S. Gypsum (Pfd).....	100	175½	178	177
U. S. Rubber (Com).....	10	25%	26%	26
U. S. Rubber (Pfd).....	100	139	140¾	140¾

B

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THE TWELVE ESTIMATING TABLES

The Twelve Estimating Tables, with Chart, convenient in figuring flange fittings and other areas, is \$1.00 per set.

These tables have been found very useful by estimators in figuring areas, but since we have not for some time published the detailed list, it occurred to us that many would like to know exactly what the tables cover, and order them before the fall work begins. Following is the list:

Sq. Ft. Areas of Pipe Covering.

Mean Sq. Ft. Areas Standard Screwed Fittings.

Mean Area Standard Weight Flanged Fittings.

Standard Weight Flange Areas, Permanent Type.

Standard Weight Flange Areas, Removable Type.

Figuring Hair Felt, 1", 1½", 2".

Anti-Frost Insulation.

Cork Pipe Covering, Outside Area in Sq. Ft.

Ice Water Thick Cork Moulded Fittings Screwed,
Outside Area in Sq. Ft.

Brine Thickness Cork Moulded Fittings. Screwed,
Outside Area in Sq. Ft.

Special Thickness Cork Moulded Fittings, Screwed,
Outside Area in Sq. Ft.

Ducts and Flue Perimeters.

The chart gives an easy way to figure Curved
Cylindrical Surfaces.

The tables are printed on paper which will wear well under handling. Orders can be filled immediately upon receipt, write Asbestos.

... —

In commemoration of their 50th year in business the United States Gypsum Company has published a very beautiful anniversary book entitled "BUILDING A BETTER TOMORROW". The book contains quite a bit of information concerning the history, growth and development of the company.



COMPASS

North, East, South or West, in every quarter you will find the many diversified asbestos products of Raybestos-Manhattan at work. Check up on these products over a period of time, and you will find they are all moving in the same direction . . . forward. Six great R/M plants with their research and testing laboratories continue to improve R/M products and develop new ones. Out of this experience R/M offers a unique service to all who are interested in asbestos and its commercial applications.

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Southern produces fine and heavy Asbestos Yarns in various grades of tensile strength and uniformity. Whatever their use, Southern Asbestos Yarns maintain high quality standards. High tenacity Asbestos Yarns are a Southern specialty. Yarns may be treated with various compounds for a wide range of uses. Write for Folder No. 1011.

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